Internship in the area of CFD-Simulation

Standort
Abstatt

Startdatum
1st March 2023

Arbeitszeitmodell
full time

Arbeitsbereich
engineering

Rechtseinheit
Bosch Engineering GmbH

Aufgaben

You support the development of numerical models for flow simulations on a vehicle:
• Literature research and definition of validation criteria
• CAD preparation
• Performing CFD simulations (using OpenFOAM preferred)
• Execution of parameter studies for mesh independence and turbulence modeling
• Analysis and documentation of the simulation results
• Derivation of the requirements and boundary conditions
• Transfer of the 3D- into a 1D-simulation and validation of the results
• Presentation of the results

Wissenswertes

With us, you also have a wide range of opportunities for mobile working. This advantage gives you the necessary professional flexibility. You can discuss your ideas on this with your future supervisor during the interview.

Bosch Engineering GmbH stands for an outstanding team spirit. We are proud of the great cooperation and a common exchange at eye level. Fairness, appreciation, innovation and continuous learning are key values for us.

Here we are all on a first-name basis. Become part of the Bosch Engineering family and experience unique Bosch Engineering moments with us: "we all lead Bosch Engineering".

Profil

• Working Practice: You are characterized by a committed and independent way of working, as well as enjoy teamwork. You are also goal-oriented and have a structured way of working.
• Experience and Knowledge: Must-have: You have profound knowledge in the field of fluid mechanics and have already gained first experiences with CFD simulations (ideally with OpenFOAM).
• Enthusiasm: The simulation and modeling of physical processes interest you and you are characterized by a high degree of curiosity.
• Education: Studies in the field of engineering, physics or similar with good academic results.

Arbeiten bei Bosch

Bei Bosch gestalten wir Zukunft mit hochwertigen Technologien und Dienstleistungen, die Begeisterung wecken und das Leben der Menschen verbessern. Unser Versprechen an unsere Mitarbeiterinnen und Mitarbeiter steht dabei felsenfest: Wir wachsen gemeinsam, haben Freude an unserer Arbeit und inspirieren uns gegenseitig.

Willkommen bei Bosch.

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